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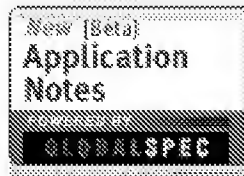
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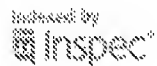
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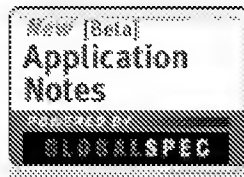
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1. Tamper-proof operating system for biometric ID tokens
 Sanchez-Reillo, R.; Vazquez-Navarro, A.; Liu-Jimenez, J.;
[Security Technology, 2005. CCST '05. 39th Annual 2005 International Carnahan Conference on](#)
 11-14 Oct. 2005 Page(s):319 - 324
 Digital Object Identifier 10.1109/CCST.2005.1594848
[AbstractPlus](#) | Full Text: [PDF\(640 KB\)](#) IEEE CNF
[Rights and Permissions](#)
2. Network authentication tokens
 Davis, R.;
[Computer Security Applications Conference, 1989., Fifth Annual](#)
 4-8 Dec. 1989 Page(s):234 - 238
 Digital Object Identifier 10.1109/CSAC.1989.81056
[AbstractPlus](#) | Full Text: [PDF\(296 KB\)](#) IEEE CNF
[Rights and Permissions](#)
3. Enhancing Face Recognition with Location Information
 Hulsebosch, R.J.; Ebben, P.W.G.;
[Availability, Reliability and Security, 2008. ARES 08. Third International Conference on](#)
 4-7 March 2008 Page(s):397 - 403
 Digital Object Identifier 10.1109/ARES.2008.45
[AbstractPlus](#) | Full Text: [PDF\(325 KB\)](#) IEEE CNF
[Rights and Permissions](#)
4. Virtual prepaid tokens for Wi-Fi hotspot access
 Haidong Xia; Brustoloni, J.;
[Local Computer Networks, 2004, 29th Annual IEEE International Conference on](#)
 16-18 Nov. 2004 Page(s):232 - 239
 Digital Object Identifier 10.1109/LCN.2004.134
[AbstractPlus](#) | Full Text: [PDF\(152 KB\)](#) IEEE CNF
[Rights and Permissions](#)
5. CredEx: user-centric credential management for grid and Web services
 Del Vecchio, D.; Humphrey, M.; Basney, J.; Nagaratnam, N.;

Web Services, 2005. ICWS 2005. Proceedings. 2005 IEEE International Conference on
 11-15 July 2005 Page(s):149 - 156 vol.1
 Digital Object Identifier 10.1109/ICWS.2005.43

[AbstractPlus](#) | [Full Text: PDF\(616 KB\)](#) [IEEE CNF](#)
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6. On enabling secure applications through off-line biometric identification
 Davida, G.I.; Frankel, Y.; Matt, B.J.;
Security and Privacy, 1998. Proceedings. 1998 IEEE Symposium on
 3-6 May 1998 Page(s):148 - 157
 Digital Object Identifier 10.1109/SECPRI.1998.674831

[AbstractPlus](#) | [Full Text: PDF\(120 KB\)](#) [IEEE CNF](#)
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7. Secure AAA by Means of Identity Tokens in Next Generation Mobile Environments
 Lutz, D.J.;
Wireless and Mobile Communications, 2007. ICWMC '07. Third International Conference on
 4-9 March 2007 Page(s):57 - 57
 Digital Object Identifier 10.1109/ICWMC.2007.79

[AbstractPlus](#) | [Full Text: PDF\(237 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

8. Content authentication in enterprises for mobile devices
 Kappes, M.; Krishnan, P.;
Advances in Wired and Wireless Communication, 2004. IEEE/Sarnoff Symposium on
 26-27 Apr 2004 Page(s):127 - 129
 Digital Object Identifier 10.1109/SARNOF.2004.1302857

[AbstractPlus](#) | [Full Text: PDF\(301 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

9. EC: an edge-based architecture against DDoS attacks and malware spread
 Karrer, R.P.;
Advanced Information Networking and Applications, 2006. AINA 2006. 20th International Conference on
 Volume 2, 18-20 April 2006 Page(s):49 - 56
 Digital Object Identifier 10.1109/AINA.2006.159

[AbstractPlus](#) | [Full Text: PDF\(248 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

10. Using The GSM/UMTS SIM to Secure Web Services
 MacDonald, J.A.; Mitchell, C.J.;
Mobile Commerce and Services, 2005. WMCS '05. The Second IEEE International Workshop on
 19-19 July 2005 Page(s):70 - 78
 Digital Object Identifier 10.1109/WMCS.2005.28

[AbstractPlus](#) | [Full Text: PDF\(328 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

11. An XML-based single sign-on scheme supporting mobile and home network service environment
 Jongil Jeong; Dongkyoo Shin; Dongil Shin;
Consumer Electronics, IEEE Transactions on
 Volume 50, Issue 4, Nov. 2004 Page(s):1081 - 1086
 Digital Object Identifier 10.1109/TCE.2004.1362502

[AbstractPlus](#) | [Full Text: PDF\(547 KB\)](#) [IEEE JNL](#)
[Rights and Permissions](#)

12. Secure Communication and Access Control for Web Services Container
 Yu Peng; Quanyuan Wu;
Grid and Cooperative Computing, 2006. GCC 2006. Fifth International Conference on
 Oct. 2006 Page(s):412 - 415
 Digital Object Identifier 10.1109/GCC.2006.85

[AbstractPlus](#) | [Full Text: PDF\(161 KB\)](#) [IEEE CNF](#)

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13. Distributed Multi level Security token based Authentication for Ubiquitous Objects; DMSA Kulkarni, U.P.; Vadavi, J.V.; Joshi, S.M.; Sekaran, K Chandra; Yardi, A.R.;
[Ad Hoc and Ubiquitous Computing, 2006. ISAUHC '06. International Symposium on](#)
20-23 Dec. 2006 Page(s):52 - 55
Digital Object Identifier 10.1109/ISAUHC.2006.4290647
[AbstractPlus](#) | [Full Text: PDF\(2242 KB\)](#) | [IEEE CNF](#)
[Rights and Permissions](#)
14. Three-Dimensional Password for More Secure Authentication
Alsulaiman, F. A.; El Saddik, A.;
[Instrumentation and Measurement, IEEE Transactions on](#)
Volume 57, Issue 9, Sept. 2008 Page(s):1929 - 1938
Digital Object Identifier 10.1109/TIM.2008.919905
[AbstractPlus](#) | [Full Text: PDF\(610 KB\)](#) | [IEEE JNL](#)
[Rights and Permissions](#)
15. User Authentication Mechanism Using Java Card for Personalized IPTV Services
Park, Youn-Kyoung; Lim, Sun-Hee; Yi, Okyeon; Lee, Sangjin; Kim, Soo-Hyung;
[Convergence and Hybrid Information Technology, 2008. ICHIT '08. International Conference on](#)
28-30 Aug. 2008 Page(s):618 - 626
Digital Object Identifier 10.1109/ICHIT.2008.275
[AbstractPlus](#) | [Full Text: PDF\(682 KB\)](#) | [IEEE CNF](#)
[Rights and Permissions](#)
16. A Simple and Secure Authentication and Key Establishment Protocol
Das, M.L.; Lakshmi, N.V.;
[Emerging Trends in Engineering and Technology, 2008. ICETET '08. First International Conference](#)
16-18 July 2008 Page(s):844 - 849
Digital Object Identifier 10.1109/ICETET.2008.34
[AbstractPlus](#) | [Full Text: PDF\(143 KB\)](#) | [IEEE CNF](#)
[Rights and Permissions](#)
17. Inter-domain Authentication for Seamless Roaming in Heterogeneous Wireless Networks
Tuladhar, S.R.; Caicedo, C.E.; Joshi, J.B.D.;
[Sensor Networks, Ubiquitous and Trustworthy Computing, 2008. SUTC '08. IEEE International Conference on](#)
11-13 June 2008 Page(s):249 - 255
Digital Object Identifier 10.1109/SUTC.2008.61
[AbstractPlus](#) | [Full Text: PDF\(374 KB\)](#) | [IEEE CNF](#)
[Rights and Permissions](#)
18. Using Personal Electronic Device for Authentication-Based Service Access
Gaurav, A.; Sharma, A.; Gelara, V.; Moona, R.;
[Communications, 2008. ICC '08. IEEE International Conference on](#)
19-23 May 2008 Page(s):5930 - 5934
Digital Object Identifier 10.1109/ICC.2008.1108
[AbstractPlus](#) | [Full Text: PDF\(101 KB\)](#) | [IEEE CNF](#)
[Rights and Permissions](#)
19. RandomSampling over Streaming Window Joins
Li Chen; Jun Liu; Huibin Wang;
[Data, Privacy, and E-Commerce, 2007. ISDPE 2007. The First International Symposium on](#)
1-3 Nov. 2007 Page(s):53 - 55
Digital Object Identifier 10.1109/ISDPE.2007.51
[AbstractPlus](#) | [Full Text: PDF\(274 KB\)](#) | [IEEE CNF](#)
[Rights and Permissions](#)
20. SecurID Authenticator: On the Hardware Implementation Efficiency
Sklavos, Nicolas; Efsthathiou, Costas;

[Electronics, Circuits and Systems, 2007. ICECS 2007. 14th IEEE International Conference on](#)
11-14 Dec. 2007 Page(s):589 - 592

Digital Object Identifier 10.1109/ICECS.2007.4511060

[AbstractPlus](#) | Full Text: [PDF\(284 KB\)](#) [IEEE CNF](#)

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21. Efficient Identity Authentication Protocol and Its Formal Analysis

Li Chen; Guixiang Zhang; Xiangdong Li;

[Computational intelligence and Security Workshops, 2007. CISW 2007. International Conference](#)

15-19 Dec. 2007 Page(s):712 - 716

Digital Object Identifier 10.1109/CISW.2007.4425594

[AbstractPlus](#) | Full Text: [PDF\(637 KB\)](#) [IEEE CNF](#)

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22. A Cognitive Model for the Forensic Recovery of End-User Passwords

Fragkos, G.; Tryfonas, T.;

[Digital Forensics and Incident Analysis, 2007. WDFIA 2007. Second International Workshop on](#)

27-28 Aug. 2007 Page(s):48 - 54

Digital Object Identifier 10.1109/WDFIA.2007.4299372

[AbstractPlus](#) | Full Text: [PDF\(196 KB\)](#) [IEEE CNF](#)

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23. FAME: Adding Multi-Level Authentication to Shibboleth

Nenadic, A.; Ning Zhang; Chin, J.; Goble, C.;

[e-Science and Grid Computing, 2006. e-Science '06. Second IEEE International Conference on](#)

Dec. 2006 Page(s):157 - 157

Digital Object Identifier 10.1109/E-SCIENCE.2006.261044

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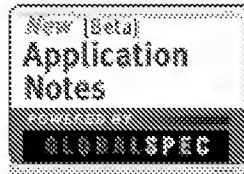
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1. Research on control flags-based weighted authentication trustworthiness model
Wang Lunwei; He Lianyue; Liao Xiangke; Wang Huaimin;
[Dependable Computing, 2005. Proceedings. 11th Pacific Rim International Symposium on](#)
12-14 Dec. 2005 Page(s):5 pp.
Digital Object Identifier 10.1109/PRDC.2005.54
[AbstractPlus](#) | [Full Text: PDF\(120 KB\)](#) IEEE CNF
[Rights and Permissions](#)
2. Enhanced authentication services for Internet systems using mobile networks
Looi, M.;
[Global Telecommunications Conference, 2001. GLOBECOM '01. IEEE](#)
Volume 6, 25-29 Nov. 2001 Page(s):3468 - 3472 vol.6
Digital Object Identifier 10.1109/GLOCOM.2001.966326
[AbstractPlus](#) | [Full Text: PDF\(109 KB\)](#) IEEE CNF
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3. SuperForms: a security-enhanced smart electronic form management system
Dayao, A.B.; Rafieyan, K.; Lee, P.J.; Graveman, R.F.; Yacobi, Y.; Addeo, E.J.;
[Global Telecommunications Conference, 1990, and Exhibition, 'Communications: Connecting the](#)
2-5 Dec. 1990 Page(s):1079 - 1083 vol.2
Digital Object Identifier 10.1109/GLOCOM.1990.116668
[AbstractPlus](#) | [Full Text: PDF\(544 KB\)](#) IEEE CNF
[Rights and Permissions](#)
4. A development of multi-SSO authentication and RBAC model in the distributed systems
Fugkeaw, S.; Manpanpanich, P.; Juntapremjitt, S.;
[Digital Information Management, 2007. ICDIM '07. 2nd International Conference on](#)
Volume 1, 28-31 Oct. 2007 Page(s):297 - 302
Digital Object Identifier 10.1109/ICDIM.2007.4444239
[AbstractPlus](#) | [Full Text: PDF\(510 KB\)](#) IEEE CNF
[Rights and Permissions](#)
5. Fingerprint Authentication Device Based on Optical Characteristics Inside a Finger
Sano, E.; Maeda, T.; Nakamura, T.; Shikai, M.; Sakata, K.; Matsushita, M.; Sasakawa, K.;

[Computer Vision and Pattern Recognition Workshop, 2006 Conference on](#)
 17-22 June 2006 Page(s):27 - 27
 Digital Object Identifier 10.1109/CVPRW.2006.83
[AbstractPlus](#) | [Full Text: PDF\(320 KB\)](#) | [IEEE CNF](#)
[Rights and Permissions](#)

6. Randomly Shifted Certification Authority Authentication Protocol for MANETs
 Safdar, G.A.; McLoone, M.;

[Mobile and Wireless Communications Summit, 2007, 16th IST](#)
 1-5 July 2007 Page(s):1 - 5
 Digital Object Identifier 10.1109/ISTMWC.2007.4299197

[AbstractPlus](#) | [Full Text: PDF\(237 KB\)](#) | [IEEE CNF](#)
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7. WLAN security threats & solutions
 Majstor, F.;

[Local Computer Networks, 2003. LCN '03. Proceedings, 28th Annual IEEE International Conferer](#)
 20-24 Oct. 2003 Page(s):650
 Digital Object Identifier 10.1109/LCN.2003.1243197

[AbstractPlus](#) | [Full Text: PDF\(201 KB\)](#) | [IEEE CNF](#)
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8. Multiple Digital Watermarking Applied to Medical Imaging
 Giakoumaki, A.; Pavlopoulos, S.; Koutsouris, D.;

[Engineering in Medicine and Biology Society, 2005. IEEE-EMBS 2005. 27th Annual International](#)
 2005 Page(s):3444 - 3447
 Digital Object Identifier 10.1109/EMBS.2005.1617219

[AbstractPlus](#) | [Full Text: PDF\(338 KB\)](#) | [IEEE CNF](#)
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9. How do correlation and variance of base-experts affect fusion in biometric authentication t
 Poh, N.; Bengio, S.;

[Signal Processing, IEEE Transactions on \(see also Acoustics, Speech, and Signal Processing, IE](#)
 Volume 53, Issue 11, Nov. 2005 Page(s):4384 - 4396
 Digital Object Identifier 10.1109/TSP.2005.857006

[AbstractPlus](#) | [References](#) | [Full Text: PDF\(544 KB\)](#) | [IEEE JNL](#)
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10. Adding SAML to two-factor authentication and single sign-on model for dynamic access cc
 Fugkeaw, S.; Manpanpanich, P.; Juntapremjitt, S.;

[Information, Communications & Signal Processing, 2007 6th International Conference on](#)
 10-13 Dec. 2007 Page(s):1 - 5
 Digital Object Identifier 10.1109/ICICS.2007.4449857

[AbstractPlus](#) | [Full Text: PDF\(333 KB\)](#) | [IEEE CNF](#)
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11. Evaluation of the Authentication Service on the Access Management for Heterogeneous M
 Marti, A.B.; Ibanez, J.A.G.; Garcia, D.H.; Rocafor, O.;

[Future generation communication and networking \(fgcn 2007\)](#)
 Volume 2, 6-8 Dec. 2007 Page(s):216 - 219
 Digital Object Identifier 10.1109/FGCN.2007.120

[AbstractPlus](#) | [Full Text: PDF\(203 KB\)](#) | [IEEE CNF](#)
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12. Agent Based Architecture for Secure Access from Multiple Hospitals
 Yoo, S.K.; Jun Choe; Do Yoon Kim;

[Computer and Information Science, 2008. ICIS 08. Seventh IEEE/ACIS International Conference](#)
 14-16 May 2008 Page(s):255 - 258
 Digital Object Identifier 10.1109/ICIS.2008.12

[AbstractPlus](#) | [Full Text: PDF\(194 KB\)](#) | [IEEE CNF](#)

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13. **A Bioinformatics Based Approach to Behavioural Biometrics**
 Revett, K.;
[Frontiers in the Convergence of Bioscience and Information Technologies, 2007. FBIT 2007](#)
 11-13 Oct. 2007 Page(s):665 - 670
 Digital Object Identifier 10.1109/FBIT.2007.143
[AbstractPlus](#) | [Full Text: PDF\(405 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)
14. **Password-based authentication: a system perspective**
 Conklin, A.; Dietrich, G.; Walz, D.;
[System Sciences, 2004. Proceedings of the 37th Annual Hawaii International Conference on](#)
 5-8 Jan. 2004 Page(s):10 pp.
 Digital Object Identifier 10.1109/HICSS.2004.1265412
[AbstractPlus](#) | [Full Text: PDF\(278 KB\)](#) [IEEE CNF](#)
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15. **A common password method for protection of multiple accounts**
 Luo, H.; Henry, P.;
[Personal Indoor and Mobile Radio Communications, 2003. PIMRC 2003. 14th IEEE Proceedings](#)
 Volume 3, 7-10 Sept. 2003 Page(s):2749 - 2754 vol.3
 Digital Object Identifier 10.1109/PIMRC.2003.1259242
[AbstractPlus](#) | [Full Text: PDF\(561 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)
16. **Personal identification and verification using multimodal biometric data**
 Cimato, S.; Gamassi, M.; Piuri, V.; Sana, D.; Sassi, R.; Scotti, F.;
[Computational Intelligence for Homeland Security and Personal Safety, Proceedings of the 2006](#)
 16-17 Oct. 2006 Page(s):41 - 45
 Digital Object Identifier 10.1109/CIHSPS.2006.313309
[AbstractPlus](#) | [Full Text: PDF\(248 KB\)](#) [IEEE CNF](#)
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17. **Cluster Spanning with Virtual Environments**
 Emenecker, W.; Stanzione, D.;
[Cluster Computing, 2005. IEEE International](#)
 Sept. 2005 Page(s):1 - 1
 Digital Object Identifier 10.1109/CLUSTER.2005.347087
[AbstractPlus](#) | [Full Text: PDF\(76 KB\)](#) [IEEE CNF](#)
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18. **Asynchronous multi factor model (AMFM) of security for wireless MAN**
 Talukder, A.K.; Krishnan, S.;
[TENCON 2003. Conference on Convergent Technologies for Asia-Pacific Region](#)
 Volume 2, 15-17 Oct. 2003 Page(s):656 - 660 Vol.2
 Digital Object Identifier 10.1109/TENCON.2003.1273254
[AbstractPlus](#) | [Full Text: PDF\(383 KB\)](#) [IEEE CNF](#)
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19. **A security architecture for UPT**
 Gundlach, M.;
[Universal Personal Communications, 1994. Record., 1994 Third Annual International Conference](#)
 27 Sept.-1 Oct. 1994 Page(s):370
 Digital Object Identifier 10.1109/ICUPC.1994.383134
[AbstractPlus](#) | [Full Text: PDF\(24 KB\)](#) [IEEE CNF](#)
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20. **Two integrated schemes of user authentication and access control in a distributed comput**
 Jan, J.-K.; Tseng, Y.-M.;

[Computers and Digital Techniques, IEEE Proceedings -](#)
[Volume 145, Issue 6, Nov. 1998 Page\(s\):419 - 424](#)
[AbstractPlus](#) | [Full Text: PDF\(540 KB\)](#) | [IEEE JNL](#)

21. **Multimodal Biometric Authentication System - MBAS**
 Rahal, S.M.; Aboalsamah, H.A.; Muteb, K.N.;
[Information and Communication Technologies, 2006. ICTTA '06. 2nd](#)
[Volume 1, 24-28 April 2006 Page\(s\):1026 - 1030](#)
[AbstractPlus](#) | [Full Text: PDF\(3552 KB\)](#) | [IEEE CNF](#)
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22. **Single signon for grid services**
 Debasish Jana; Bhaumik, B.B.;
[India Annual Conference, 2004. Proceedings of the IEEE INDICON 2004. First](#)
[20-22 Dec. 2004 Page\(s\):513 - 516](#)
[Digital Object Identifier 10.1109/INDICO.2004.1497808](#)
[AbstractPlus](#) | [Full Text: PDF\(260 KB\)](#) | [IEEE CNF](#)
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23. **Quantifying and recognizing human movement patterns from monocular video Images-par modeling human motion**
 Green, R.D.; Ling Guan;
[Circuits and Systems for Video Technology, IEEE Transactions on](#)
[Volume 14, Issue 2, Feb. 2004 Page\(s\):179 - 190](#)
[Digital Object Identifier 10.1109/TCSVT.2003.821976](#)
[AbstractPlus](#) | [References](#) | [Full Text: PDF\(856 KB\)](#) | [IEEE JNL](#)
[Rights and Permissions](#)

24. **Signature Verification using a Monte Carlo-based Updating Algorithm Adapted to Intersees**
 Kato, Y.; Muramatsu, D.; Matsumoto, T.;
[Intelligent Signal Processing and Communications, 2006. ISPACS '06. International Symposium on](#)
[12-15 Dec. 2006 Page\(s\):387 - 390](#)
[Digital Object Identifier 10.1109/ISPACS.2006.364910](#)
[AbstractPlus](#) | [Full Text: PDF\(2402 KB\)](#) | [IEEE CNF](#)
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25. **Efficient message authentication for spread spectrum wireless communications**
 Shengkuan Xiao; Carman, D.; Boncelet, C.;
[Military Communications Conference, 2005. MILCOM 2005. IEEE](#)
[17-20 Oct. 2005 Page\(s\):2782 - 2787 Vol. 5](#)
[Digital Object Identifier 10.1109/MILCOM.2005.1606086](#)
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26. The repeatability of signatures
 Guest, R.M.;
Frontiers in Handwriting Recognition, 2004. IWFHR-9 2004. Ninth International Workshop on
 26-29 Oct. 2004 Page(s):492 - 497
 Digital Object Identifier 10.1109/IWFHR.2004.103
AbstractPlus | Full Text: [PDF\(84 KB\)](#) IEEE CNF
[Rights and Permissions](#)
27. Jigsaw-based secure data transfer over computer networks
 Vasudevan, R.A.; Abraham, A.; Sanyal, S.; Agrawal, D.P.;
Information Technology, Coding and Computing, 2004. Proceedings. ITCC 2004. International Cc
 Volume 1, 2004 Page(s):2 - 6 Vol.1
 Digital Object Identifier 10.1109/ITCC.2004.1286416
AbstractPlus | Full Text: [PDF\(1355 KB\)](#) IEEE CNF
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28. Secure connections in Bluetooth scatternets
 Persson, K.E.; Manivannan, D.;
System Sciences, 2003. Proceedings of the 36th Annual Hawaii International Conference on
 6-9 Jan 2003 Page(s):10 pp.
 Digital Object Identifier 10.1109/HICSS.2003.1174875
AbstractPlus | Full Text: [PDF\(924 KB\)](#) IEEE CNF
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29. Authenticated Diffie-Hellman key agreement protocol using a single cryptographic assumption
 Harn, L.; Hsin, W.-J.; Mehta, M.;
Communications, IEEE Proceedings
 Volume 152, Issue 4, Aug 2005 Page(s):404 - 410
 Digital Object Identifier 10.1049/ip-com:20041041
AbstractPlus | Full Text: [PDF\(181 KB\)](#) IET JNL
30. Securing Wireless Sensor Networks Against Spurious Injections
 Chowdhury, A.R.; Tripathy, S.; Nandi, S.;
Communication Systems Software and Middleware, 2007. COMSWARE 2007. 2nd International C

7-12 Jan. 2007 Page(s):1 - 5

Digital Object Identifier 10.1109/COMSWA.2007.382600

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31. Certificate-based Access Control in Pure P2P Networks

Palomar, E.; Estevez-Tapiador, J.M.; Hernandez-Castro, J.C.; Ribagorda, A.;

[Peer-to-Peer Computing, 2006, P2P 2006, Sixth IEEE International Conference on](#)

06-08 Sept. 2006 Page(s):177 - 184

Digital Object Identifier 10.1109/P2P.2006.7

[AbstractPlus](#) | Full Text: [PDF\(176 KB\)](#) IEEE CNF

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32. Improving face authentication using virtual samples

Thian, N.P.H.; Marcel, S.; Bengio, S.;

[Acoustics, Speech, and Signal Processing, 2003. Proceedings. \(ICASSP '03\). 2003 IEEE Internat](#)

Volume 3, 6-10 April 2003 Page(s):III - 233-6 vol.3

Digital Object Identifier 10.1109/ICASSP.2003.1199150

[AbstractPlus](#) | Full Text: [PDF\(350 KB\)](#) IEEE CNF

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33. Restricting access with certificate attributes in multiple root environments - a recipe for ce

Hayes, J.M.;

[Computer Security Applications Conference, 2001. ACSAC 2001. Proceedings 17th Annual](#)

10-14 Dec. 2001 Page(s):386 - 390

[AbstractPlus](#) | Full Text: [PDF\(167 KB\)](#) IEEE CNF

[Rights and Permissions](#)

34. Efficient key distribution for slow computing devices: achieving fast over the air activation

Carroll, C.; Frankel, Y.; Tsiounis, Y.;

[Security and Privacy, 1998. Proceedings. 1998 IEEE Symposium on](#)

3-6 May 1998 Page(s):66 - 76

Digital Object Identifier 10.1109/SECPRI.1998.674824

[AbstractPlus](#) | Full Text: [PDF\(188 KB\)](#) IEEE CNF

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35. Is your IPAQ talking to me?

Wright, T.J.;

[Euroearable, 2003. IEE](#)

4-5 Sept. 2003 Page(s):35 - 40

Digital Object Identifier 10.1049/ic:20030144

[AbstractPlus](#) | Full Text: [PDF\(1079 KB\)](#) IEEE CNF

36. Multimodal biometric databases: an overview

Faundez-Zanuy, M.; Fierrez-Aguilar, J.; Ortega-Garcia, J.; Gonzalez-Rodriguez, J.;

[Aerospace and Electronic Systems Magazine, IEEE](#)

Volume 21, Issue 8, Part 1, Aug. 2006 Page(s):29 - 37

Digital Object Identifier 10.1109/MAES.2006.1703234

Full Text: [PDF\(564 KB\)](#) IEEE JNL

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37. Future wireless networks and R/spl and/D agendas

Weinstein, S.;

[Emerging Technologies: Frontiers of Mobile and Wireless Communication, 2004. Proceedings of 1](#)
[Symposium on](#)

Volume 1, 2004 Page(s):I - 11 Vol.1

Digital Object Identifier 10.1109/CASSET.2004.1322894

[AbstractPlus](#) | Full Text: [PDF\(177 KB\)](#) IEEE CNF

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38. **Middleware transparent development of dependable CORBA applications**
 Kamalakar, B.; Ghosh, S.; Vile, P.;
[Software Reliability Engineering, 2004. ISSRE 2004. 15th International Symposium on](#)
 2-5 Nov. 2004 Page(s):352 - 363
 Digital Object Identifier 10.1109/ISSRE.2004.22
[AbstractPlus](#) | [Full Text: PDF\(272 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)
39. **Internet user access via dial-up networks-traffic characterization and statistics**
 Hutchins, R.; Zegura, E.W.; Liashenko, A.; Enslow, P.H., Jr.;
[Network Protocols, 2001. Ninth International Conference on](#)
 11-14 Nov. 2001 Page(s):314 - 322
[AbstractPlus](#) | [Full Text: PDF\(913 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)
40. **Using attribute certificates with mobile policies in electronic commerce applications**
 Doshi, V.; Fayad, A.; Jajodia, S.; MacLean, R.;
[Computer Security Applications, 2000. ACSAC '00. 16th Annual Conference](#)
 11-15 Dec. 2000 Page(s):298 - 307
 Digital Object Identifier 10.1109/ACSAC.2000.898884
[AbstractPlus](#) | [Full Text: PDF\(784 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)
41. **A Recent Survey on Key Management Schemes in MANET**
 Aziz, B.; Nouridine, E.; Mohamed, E.-K.;
[Information and Communication Technologies: From Theory to Applications, 2008. ICTTA 2008. 1](#)
 7-11 April 2008 Page(s):1 - 6
 Digital Object Identifier 10.1109/ICTTA.2008.4530182
[AbstractPlus](#) | [Full Text: PDF\(1641 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)
42. **Using Personal Electronic Device for Authentication-Based Service Access**
 Gaurav, A.; Sharma, A.; Gelara, V.; Moona, R.;
[Communications, 2008. ICC '08. IEEE International Conference on](#)
 19-23 May 2008 Page(s):5930 - 5934
 Digital Object Identifier 10.1109/ICC.2008.1108
[AbstractPlus](#) | [Full Text: PDF\(101 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)
43. **Trust-Assisted Handover Decision Algorithm in Hybrid Wireless Networks**
 Li, M.; Sandrasegaran, K.; Tung, T.;
[Wireless Communications and Networking Conference, 2007. WCNC 2007. IEEE](#)
 11-15 March 2007 Page(s):3535 - 3540
 Digital Object Identifier 10.1109/WCNC.2007.648
[AbstractPlus](#) | [Full Text: PDF\(302 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)
44. **Multilevel design validation in a secure embedded system**
 Hwang, D.D.; Shenglin Yang; Verbauwhede, I.; Schaumont, P.;
[High-Level Design Validation and Test Workshop, 2005. Tenth IEEE International](#)
 30 Nov.-2 Dec. 2005 Page(s):203 - 210
 Digital Object Identifier 10.1109/HLDVT.2005.1568838
[AbstractPlus](#) | [Full Text: PDF\(295 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)
45. **A Lower Bound On The Probability Of Deception In Multiple Authentication**
 Smeets, B.;
[Information Theory, 1991 \(papers in summary form only received\). Proceedings., 1991 IEEE Inter-](#)
[No.91CH3003-1](#)
 24-28 June 1991 Page(s):180 - 180

[AbstractPlus](#) | [Full Text: PDF\(84 KB\)](#) | [IEEE CONF](#)

[Rights and Permissions](#)

46. Signature Detection and Matching for Document Image Retrieval

Zhu, G.; Zheng, Y.; Doermann, D.; Jaeger, S.;

[Pattern Analysis and Machine Intelligence, IEEE Transactions on](#) : Accepted for future publication

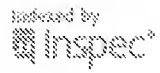
Volume PP, [Forthcoming](#), 2003 Page(s):1 - 1

Digital Object Identifier 10.1109/TPAMI.2008.237

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John Viega

June 2005 Queue, Volume 3 Issue 5

Publisher: ACM

Full text available: [Html](#) (34.45 KB), [Pdf](#) (393.42 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)





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1 [Zero-interaction authentication](#)



Mark D. Corner, Brian D. Noble

September 2002 MobiCom '02: Proceedings of the 8th annual international conference on Mobile computing and networking

Publisher: ACM

Full text available: Pdf (273.30 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index to](#)

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Laptops are vulnerable to theft, greatly increasing the likelihood of exposing sensitive files. Unfortunately, storing data in a cryptographic file system does not fully address this problem. Such systems ask to imbue them with long-term authority ...

Keywords: cryptographic file systems, mobile computing, stackable file systems, transient authentication

2 [Self-organized network-layer security in mobile ad hoc networks](#)



Hao Yang, Xiaoqiao Meng, Songwu Lu

September 2002 WISE '02: Proceedings of the 1st ACM workshop on Wireless security

Publisher: ACM

Full text available: Pdf (226.72 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index to](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 227, Citation Count: 15

Protecting the network layer in a mobile ad hoc network is an important research topic in wireless networks. This paper describes our unified network-layer security solution in ad hoc networks, which protects routing and packet forwarding functionalities ...

Keywords: mobile ad hoc networks, self-organized security

3 [Satchel: providing access to any document, any time, anywhere](#)



Mik Lamming, Marge Eldridge, Mike Flynn, Chris Jones, David Pendlebury

September 2000 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 7 Issue 3

Publisher: ACM

Full text available: Pdf (591.29 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index to](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 123, Citation Count: 18

Current solutions for providing access to electronic documents while away from the office do not

special needs of mobile document workers. We describe "Satchel," a system that is designed spe support the distinctive features ...

Keyw ords: document access, document appliance, document processing, information appliance computing, mobile work

4 A context-related authorization and access control method based on RBAC:



Marc Wilikens, Simone Feriti, Alberto Sanna, Marcelo Masera

June 2002 SACMAT '02: Proceedings of the seventh ACM symposium on Access control models a technologies

Publisher: ACM

Full text available: Pdf (260.70 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index te](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 143, Citation Count: 3

This paper describes an application of authorization and access control based on the Role Based Control (RBAC) method and integrated in a comprehensive trust infrastructure of a health care a The method is applied to a health care business ...

Keyw ords: role based access control (RBAC), secure health care system, trust infrastructure

5 Secure virtual enclaves: Supporting coalition use of distributed application technologies



May 2001 ACM Transactions on Information and System Security (TISSEC), Volume 4 Issue :

Publisher: ACM

Full text available: Pdf (462.10 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index te](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 79, Citation Count: 2

The Secure Virtual Enclaves (SVE) collaboration infrastructure allows multiple organizations to sh distributed application objects, while respecting organizational autonomy over local resources. Tl infrastructure is transparent to applications, ...

Keyw ords: Access control, coalition, collaborative system, group communication, middleware, s policy

6 Securing passwords against dictionary attacks



Benny Pinkas, Tomas Sander

November 2002 CCS '02: Proceedings of the 9th ACM conference on Computer and communications

Publisher: ACM

Full text available: Pdf (216.72 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index te](#)

Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 248, Citation Count: 16

The use of passwords is a major point of vulnerability in computer security, as passwords are oft guess by automated programs running dictionary attacks. Passwords remain the most widely use authentication method despite their well-known security ...

7 Separating access control policy, enforcement, and functionality in extensible systems



Robert Grimm, Brian N. Bershad

February 2001 ACM Transactions on Computer Systems (TOCS), Volume 19 Issue 1

Publisher: ACM

Full text available: Pdf (164.03 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index te](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 178, Citation Count: 3

Extensible systems, such as Java or the SPIN extensible operating system, allow for units of code extensions, to be added to a running system in almost arbitrary fashion. Extensions closely interact through low-latency but type-safe interfaces to ...

Keywords: Java, SPIN, access check, auditing, extensible systems, policy-neutral enforcement, domain, protection domain transfer, security policy

8 Computing curricula 2001



CORPORATE The Joint Task Force on Computing Curricula

September 2001 Journal on Educational Resources in Computing (JERIC), Volume 1 Issue 3es

Publisher: ACM

Full text available: [Html](#) (2.78 KB), [Pdf](#) (613.63 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index](#)

Bibliometrics: Downloads (6 Weeks): 131, Downloads (12 Months): 1547, Citation Count: 23

9 Smart Cards and Biometrics: The cool way to make secure transactions

David Corcoran, David Sims, Bob Hillhouse

March 1999 Linux Journal, Volume 1999 Issue 59es

Publisher: Specialized Systems Consultants, Inc.

Full text available: [Html](#) (22.95 KB) Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 207, Citation Count: 0

10 Principled design of the modern Web architecture



Roy T. Fielding, Richard N. Taylor

June 2000 ICSE '00: Proceedings of the 22nd international conference on Software engineering

Publisher: ACM

Full text available: [Pdf](#) (217.34 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 159, Citation Count: 9

The World Wide Web has succeeded in large part because its software architecture has been designed to meet the needs of an Internet-scale distributed hypermedia system. The modern Web architecture emphasizes scalability of component ...

Keywords: WWW, software architectural style, software architecture

11 An integrated platform for reliable multicast support in the regional mobile-IP environment



Hassan Omar, Tarek Saadawi, Myung Lee

April 2002 ACM SIGMOBILE Mobile Computing and Communications Review, Volume 6 Issue

Publisher: ACM

Full text available: [Pdf](#) (167.80 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 17, Citation Count: 1

Supporting reliable delivery of multicast datagrams, in IP networks, may necessitate the introduction of new elements and features. Further, considerable additional signaling may be required to support the service. Providing a platform that efficiently ...

12 [YouServ: a web-hosting and content sharing tool for the masses](#)



Roberto J. Bayardo Jr., Rakesh Agrawal, Daniel Gruhl, Amit Somani

May 2002 WWW '02: Proceedings of the 11th international conference on World Wide Web

Publisher: ACM

Full text available: Pdf (238.48 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 54, Citation Count: 7

YouServ is a system that allows its users to pool existing desktop computing resources for *high end* web hosting and file sharing. By exploiting standard web and internet protocols (e.g. HTTP and FTP) YouServ does not require those who ...

Keywords: decentralized systems, p2p, peer-to-peer networks, web hosting

13 [The <bigwig> project](#)



Claus Brabrand, Anders Møller, Michael I. Schwartzbach

May 2002 ACM Transactions on Internet Technology (TOIT), Volume 2 Issue 2

Publisher: ACM

Full text available: Pdf (586.33 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 68, Citation Count: 24

We present the results of the <bigwig> project, which aims to design and implement a high-level specific language for programming interactive Web services. A fundamental aspect of the development of the World Wide Web during the last ...

Keywords: Interactive Web services, program analysis

14 [Secure virtual private networks: the future of data communications](#)

Eli Herscovitz

August 1999 International Journal of Network Management, Volume 9 Issue 4

Publisher: John Wiley & Sons, Inc.

Full text available: Pdf (230.05 KB)

Additional Information: [full citation](#), [abstract](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 285, Citation Count: 1

The Internet is an almost ideal means for information retrieval and exchange. It is cost-effective and easily accessible. However, it can also be susceptible to devious practices such as data theft, eavesdropping and theft. This paper ...

15 [Perils and pitfalls of practical cybercommerce](#)



Nathaniel S. Borenstein

June 1996 Communications of the ACM, Volume 39 Issue 6

Publisher: ACM

Full text available: Pdf (465.63 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 50, Citation Count: 7

16 [Principled design of the modern Web architecture](#)



Roy T. Fielding, Richard N. Taylor

May 2002 ACM Transactions on Internet Technology (TOIT), Volume 2 Issue 2

Publisher: ACM

Full text available: Pdf (335.47 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index to](#)

Bibliometrics: Downloads (6 Weeks): 64, Downloads (12 Months): 591, Citation Count: 15

The World Wide Web has succeeded in large part because its software architecture has been designed to meet the needs of an Internet-scale distributed hypermedia application. The modern Web architecture emphasizes scalability of component interactions, ...

Keywords: Network-based applications, REST, World Wide Web

17 [Experiences with network-based user agents for mobile applications](#)

Thomas F. La Porta, Thomas Woo, Krishan K. Sabnani, Ramachandran Ramjee

August 1998 Mobile Networks and Applications, Volume 3 Issue 2

Publisher: Kluwer Academic Publishers

Full text available: Pdf (631.57 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index to](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 73, Citation Count: 2

Wireless networks are characterized by simple end devices and limited bandwidth. One solution to these and other limitations of the wireless mobile environment that has been widely pursued is the placement of proxies, or agents, inside the network ...

18 [The importance of translucence in mobile computing systems](#)



Maria R. Ebling, Bonnie E. John, M. Satyanarayanan

March 2002 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 9 Issue 1

Publisher: ACM

Full text available: Pdf (330.59 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index to](#)

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 132, Citation Count: 3

Mobile computing has been an active area of research for the past decade, but its importance will increase substantially in the decade to come. One problem faced by designers of mobile systems is that of maintaining the illusion of connectivity even ...

Keywords: Coda, disconnected operation, mobile computing, translucent cache management, wireless connected operation

19 [Unlinkable serial transactions: protocols and applications](#)



Stuart G. Stubblebine, Paul F. Syverson, David M. Goldschlag

November 1999 ACM Transactions on Information and System Security (TISSEC), Volume 2 Issue 4

Publisher: ACM

Full text available: Pdf (184.87 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index to](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 63, Citation Count: 10

We present a protocol for unlinkable serial transactions suitable for a variety of network-based services. It is the first protocol to use cryptographic blinding to enable subscription services. The protocol prevents the service from tracking ...

Keywords: anonymity, blinding, cryptographic protocols, unlinkable serial transactions

20 [Law-governed interaction: a coordination and control mechanism for heterogeneous distributed systems](#)



Naftaly H. Minsky, Victoria Ungureanu

July 2000 ACM Transactions on Software Engineering and Methodology (TOSEM), Volume

Publisher: ACM

Full text available: Pdf (792.05 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index to](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 73, Citation Count: 23

Software technology is undergoing a transition from monolithic systems, constructed according to overall design, into conglomerates of semiautonomous, heterogeneous, and independently designed subsystems, constructed and managed by different ...

Keywords: coordination of heterogeneous agents, policy enforcement, scalability

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1 [Privacy preserving multi-factor authentication with biometrics](#)



Abhilasha Bhargav-Spantzel, Anna Squicciarini, Elisa Bertino

November 2006 DIM '06: Proceedings of the second ACM workshop on Digital identity management

Publisher: ACM

Full text available: Pdf (228.45 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 39, Downloads (12 Months): 620, Citation Count: 0

An emerging approach to the problem of reducing the identity theft is represented by the adoption of biometric authentication systems. Such systems however present several challenges, re privacy, reliability, security of the biometric ...

Keyw ords: authentication, biometrics, identity theft prevention, privacy

2 [A methodology for analyzing the performance of authentication protocols](#)



Alan Harbitter, Daniel A. Menascé

November 2002 ACM Transactions on Information and System Security (TISSEC), Volume 5

Publisher: ACM

Full text available: Pdf (1.25 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 254, Citation Count: 0

Performance, in terms of user response time and the consumption of processing and communication resources, is an important factor to be considered when designing authentication protocols. The public key and secret key encryption algorithms typically ...

Keyw ords: Authentication, Kerberos, mobile computing, performance modeling, proxy servers, cryptography

3 [Proceedings of the 3rd symposium on Usable privacy and security](#)



Lorrie Faith Cranor

July 2007 proceeding

Publisher: ACM



Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

Welcome to the Third Symposium On Usable Privacy and Security! This year's program features technical papers, a workshop, two tutorials, 16 posters, a panel, three discussion sessions, and a ...

talk. Continuing the tradition of interesting SOUPS ...



4 [Computation & communication in R: a distributed database manager](#)

 Bruce G. Lindsay, Laura M. Haas, Paul F. Wilms, Robert A. Yost
October 1983 SOSP '83: Proceedings of the ninth ACM symposium on Operating systems principles
Publisher: ACM
Full text available:  Pdf (121.49 KB) Additional Information: [full citation](#), [abstract](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 14, Citation Count: 7

R* is an experimental prototype distributed database management system. The computation nee perform a sequence of multisite user transactions in R* is structured as a tree of processes comr over virtual circuit communication ...



5 [Computation & communication in R: a distributed database manager](#)

 Bruce G. Lindsay, Laura M. Haas, Paul F. Wilms, Robert A. Yost
December 1983 ACM SIGOPS Operating Systems Review, Volume 17 Issue 5
Publisher: ACM
Full text available:  Pdf (121.49 KB) Additional Information: [full citation](#), [abstract](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 14, Citation Count: 7

R* is an experimental prototype distributed database management system. The computation nee perform a sequence of multisite user transactions in R* is structured as a tree of processes comr over virtual circuit communication ...

6 [KidneyGrid: a grid platform for integration of distributed kidney models and resources](#)


 Xingchen Chu, Andrew Lonie, Peter Harris, S. Randall Thomas, Rajkumar Buyya
November 2006 MCG '06: Proceedings of the 4th international workshop on Middleware for grid com
Publisher: ACM
Full text available:  Pdf (535.10 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 66, Citation Count: 0

In this paper, we present a grid computing platform that provides experimental scientists and an access to computational simulations and knowledge databases hosted in separate laboratories ar world involved with human and animal kidney ...


Keyw ords: grid computing, grid portal, kidney modeling, visualization, web service resource fra


7 [CHI '08 extended abstracts on Human factors in computing systems](#)

 Mary Czerwinski, Arnie Lund, Desney Tan
April 2008 proceeding
Publisher: ACM
Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

8 Provably secure authenticated group Diffie-Hellman key exchange

 Emmanuel Bresson, Olivier Chevassut, David Pointcheval
July 2007 ACM Transactions on Information and System Security (TISSEC), Volume 10 Issue
Publisher: ACM

Full text available:  Pdf (603.51 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 531, Citation Count: 0

Authenticated key-exchange protocols allow two participants *A* and *B*, communicating over a put network and each holding an authentication means to exchange a shared secret value. Methods to deal with this cryptographic problem ...

Keyw ords: Cryptography, Diffie--Hellman, Group Key Exchange

9 Flexible control of downloaded executable content

 Trent Jaeger, Atul Prakash, Jochen Liedtke, Nayeem Islam
May 1999 ACM Transactions on Information and System Security (TISSEC), Volume 2 Issue :
Publisher: ACM

Full text available:  Pdf (297.79 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index te](#)


Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 75, Citation Count: 9

We present a security architecture that enables system and application a ccess control requirem enforced on applications composed from downloaded executable content. Downloaded executabl consists of messages downloaded from remote ...

Keyw ords: access control models, authentication, autorization machanisms, collaborative syste based access control

10 Security and identification indicators for browsers against spoofing and phishing attacks

 Amir Herzberg, Ahmad Jbara
September 2008 ACM Transactions on Internet Technology (TOIT), Volume 8 Issue 4
Publisher: ACM

Full text available:  Pdf (3.67 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 27, Citation Count: 0

In spite of the use of standard Web security measures (SSL/TLS), users enter sensitive informati passwords into fake Web sites. Such fake sites cause substantial damages to individuals and cor In this work, we identify several vulnerabilities ...

Keyw ords: Human-computer interaction, Web spoofing, phishing, secure usability

11 Communications of the ACM: Volume 51 Issue 4

 April 2008 issue Volume 51 Issue 4
Publisher: ACM

Full text available:  Digital Edition ,  Pdf (4.24 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 385, Downloads (12 Months): 1953, Citation Count: 0

12 Some assembly required: building a digital government for the 21st century

Sharon S. Dawes, Peter A. Bloniarz, Kristine L. Kelly, Patricia D. Fletcher

May 2002 dg.o '02: Proceedings of the 2002 annual national conference on Digital government re
 Publisher: Digital Government Research Center

Full text available:  Pdf (889.22 KB) Additional Information: [full citation](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 196, Citation Count: 0


13 [Face recognition: A literature survey](#)



W. Zhao, R. Chellappa, P. J. Phillips, A. Rosenfeld

December 2003 ACM Computing Surveys (CSUR), Volume 35 Issue 4

Publisher: ACM

Full text available:  Pdf (4.28 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index te](#)

Bibliometrics: Downloads (6 Weeks): 599, Downloads (12 Months): 3425, Citation Count: 79

As one of the most successful applications of image analysis and understanding, face recognition recently received significant attention, especially during the past several years. At least two reasons account for this trend: the first is the wide ...



Keywords: Face recognition, person identification

14 [Communications of the ACM: Volume 51 Issue 2](#)



February 2008 issue Volume 51 Issue 2

Publisher: ACM

Full text available:  Digital Edition ,  Pdf (3.89 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 316, Downloads (12 Months): 2233, Citation Count: 0


15 [A taxonomy of Data Grids for distributed data sharing, management, and processing](#)



Srikumar Venugopal, Rajkumar Buyya, Kotagiri Ramamohanarao

June 2006 ACM Computing Surveys (CSUR), Volume 38 Issue 1

Publisher: ACM

Full text available:  Pdf (1.70 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 167, Downloads (12 Months): 1449, Citation Count: 6

Data Grids have been adopted as the next generation platform by many scientific communities to share, access, transport, process, and manage large data collections distributed worldwide. They high-end computing technologies with high-performance ...


Keywords: Grid computing, data-intensive applications, replica management, virtual organization

16 [Some assembly required: building a digital government for the 21st century](#)

Sharon S. Dawes, Peter A. Bloniarz, Kristine L. Kelly, Patricia D. Fletcher

May 2000 dg.o '00: Proceedings of the 2000 annual national conference on Digital government re

Publisher: Digital Government Research Center

Full text available:  Pdf (889.21 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 71, Citation Count: 1

This material is based upon work supported in part by the National Science Foundation under Grant No. 181. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect ...

17 [Communications of the ACM: Volume 51 Issue 6](#)

June 2008 issue Volume 51 Issue 6

Publisher: ACM

Full text available: [Digital Edition](#) , [Pdf](#) (8.89 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 520, Downloads (12 Months): 1236, Citation Count: 0

18 [Computing curricula 2001](#)

CORPORATE The Joint Task Force on Computing Curricula

September 2001 Journal on Educational Resources in Computing (JERIC), Volume 1 Issue 3es

Publisher: ACM

Full text available: [Html](#) (2.78 KB), [Pdf](#) (613.63 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index](#)

Bibliometrics: Downloads (6 Weeks): 131, Downloads (12 Months): 1547, Citation Count: 23

19 [Report of the national workshop on internet voting: issues and research agenda](#)

C. D. Mote, Jr.

May 2000 [dg.o '00: Proceedings of the 2000 annual national conference on Digital government r](#)

Publisher: Digital Government Research Center

Full text available: [Pdf](#) (539.99 KB) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 152, Citation Count: 0

As use of the Internet in commerce, education and personal communication has become common, the question of Internet voting in local and national elections naturally arises. In addition to adding convenience and precision, some believe that Internet ...

20 [A survey of RST invariant image watermarking algorithms](#)

Dong Zheng, Yan Liu, Jiying Zhao, Abdulmotaleb El Saddik

July 2007 ACM Computing Surveys (CSUR), Volume 39 Issue 2

Publisher: ACM

Full text available: [Pdf](#) (5.53 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 109, Downloads (12 Months): 939, Citation Count: 0

In this article, we review the algorithms for rotation, scaling and translation (RST) invariant image watermarking. There are mainly two categories of RST invariant image watermarking algorithms rectify the RST transformed image before conducting ...

Keywords: Digital image watermarking, Fourier-Mellin transform, ILPM, LPM, RST invariant, RST transform, feature points, moments, template matching

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